

Date: Sun, 6 Nov 94 04:30:36 PST  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: List  
Subject: Ham-Space Digest V94 #313  
To: Ham-Space

Ham-Space Digest                    Sun, 6 Nov 94                    Volume 94 : Issue 313

Today's Topics:

ANS-Bulletins and Kepler elements in this news group?  
Any info on OSCAR-21 - is it still sick?  
FM reception on HT - any advice?  
Omnidirectional Ant's  
WISP with KCT ??

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Fri, 4 Nov 1994 10:07:22 GMT  
From: Huub van Thienen <huub@cs.kun.nl>  
Subject: ANS-Bulletins and Kepler elements in this news group?

When I began following this news group (about three months ago), there  
was a regular supply of AMSAT News Service Bulletins. However, I have not  
seen any for the last six weeks (the last one I received was sent on  
September 17). This is a bit disappointing, as I appreciated these  
bulletins very much.

I can think of several explanations for this. Perhaps no bulletins have  
been posted to this news group since mid September, because there was no  
news concerning the birds circling around us. This is quite unlikely.  
Another explanation is that there is a regular stream of Bulletins coming  
out of AMSAT Head Quarters, but somehow none of these bulletins make  
their way to my site. This is much more likely, but frightening at the  
same time. If there are messages lost at some point, there must be much  
more that I am missing, of which I am even not aware. Finally, AMSAT may

have limited the distribution of their bulletins to a part of the world in which I do not live (I am in the Netherlands). If this is the case, I would like to know an address of someone who is able to change this. Perhaps I can contact them and try to persuade them to include nl in their distribution.

A similar thing holds for orbital data. I have not seen Keplerian element sets since october 6. This information is perhaps even more valuable than the ANS bulletins, so I would like to see them here again too.

So, I would be grateful if someone could give me some information about the possible reasons for not seeing this vital information anymore.

Regards,  
Huub van Thienen  
huub@cs.kun.nl

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Date: Mon, 31 Oct 1994 15:41:34  
From: n7ryw@teleport.com (William Roth)  
Subject: Any info on OSCAR-21 - is it still sick?

In article <1994Oct31.123831.1@lpopsb> donovan@lpopsb.mayo.edu writes:  
>From: donovan@lpopsb.mayo.edu  
>Subject: Any info on OSCAR-21 - is it still sick?  
>Date: 31 Oct 94 12:38:31 -0500

>Hello,

>I saw a post awhile back stating that  
>oscar-21 was sick...anyone have any follow-up  
>info on the bird????

A0-21 (RS-14) is off the air. The host satellite, Informator-1, had reached the end of its intended life, and the command station was unwilling to maintain the bird due to budget problems. There is a small amount of hope from those who were directly involved with RS-14 that something might be worked out to have Informator be able to provide some power.

That was the last I heard. Lets hope that something can be done!

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Date: 5 Nov 1994 09:15:49 GMT  
From: Dave Mullenix <djmullen@facstaff.wisc.edu>  
Subject: FM reception on HT - any advice?

> I was wondering what the odds of picking up  
> a FM 2meter downlink on a HT. I thought  
> Oscar-21 would be possible but it appears  
> there is conversation that it is sick now...  
> are there any others...transmitting a strong  
> enough signal (FM 2meters) to receive on an  
> HT....lets assume a good pass also....

...

> Dave Donovan  
> ddonovan@mayo.edu

Besides A0-27, already mentioned, try Dove on 145.825 MHz. Dove is currently sending a digitally synthesized voice saying, "Hi, this is Dove in space." and audio tones. It's also sending greetings and telemetry using standard 1200 baud packet. (And your HT can drive a standard packet TNC to display it.)

Mir and the Space Shuttle use 145.55. The next shuttle flight with amateur radio on it is in February. Mir is having power problems, but the German guest astronaut was QSOing on 145.55 last week. I think he returned to earth yesterday, though.

Haf fun,  
Dave, N9LTD

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Date: 4 Nov 1994 21:01:35 -0700  
From: lkollar@nyx.cs.du.edu (Larry Kollar)  
Subject: Omnidirectional Ant's

In article <39d7qv\$2hb@griessom.powerup.com.au>,  
Paul Love <plove@powerup.com.au> wrote:

>Greetings All, I've always wanted to get involved in Amateur satellites ,  
>but the cost has always deterred me.

I never have figured out where all the rumors about satellite work being expensive come from. Probably something to do with ad dollars. :-) I've made satellite contacts using about \$300 worth of equipment.

>However i've seen designs in ARRL  
>H/book for "turnstile" antenna's. This would allow me to "get my feet wet"  
>, but here's the question : Is there anyone out there ACTUALLY using such  
>antenna's ?

Yup, I am. The Handbook doesn't give much advice about how to support

one of those critters, though. I use a 2'x2' piece of plywood for a base, with L-brackets underneath to attach it to a 2x4. The elements are plain copper wire, supported by cane poles (looks like bamboo). I coated the cane & plywood with spar varnish, and it's held up well for three years now. (This is a 10-meter antenna, by the way, for Mode A downlinks.)

Performance depends largely on how far above ground you mount it. From the charts in the handbook, 3/8 wavelength is about ideal for satellite work.

This kind of antenna is best for low-orbit satellites, namely RS-10 and RS-12. SEDSAT will be going up in 1996, and it'll work there too.

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Larry Kollar, KC4WZK | I like CW, but that doesn't mean I think every ham  
lkollar@nyx.cs.du.edu | should have to learn it.  
Crawling down the infobahn at 1200 baud...

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Date: Sat, 5 Nov 1994 14:17:02 GMT  
From: rubenc@iglou.iglou.com (Charles A. Rubenstein)  
Subject: WISP with KCT ??

Does anyone have a version of SATELLITE.DLL for WISP that will support the Kansas City Tracker? When I try to activate the rotor, the whole thing bombs out of windows. THe readme file says that a newer version of the file may be needed for KCT, but I think this file archive was from 11/94.  
Is anyone using WISP with a KCT yet?

CHarlie KB8BWE  
rubenc@iglou.com  
KB8BWE@N8LHG.#CIN.OH.USA

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End of Ham-Space Digest V94 #313  
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